FLIGHT DAY FORECAST

6/18/2008
and a glimpse ahead to
6/20/2008

Henry Fuelberg
DonalHarrigan
Walter Sessions

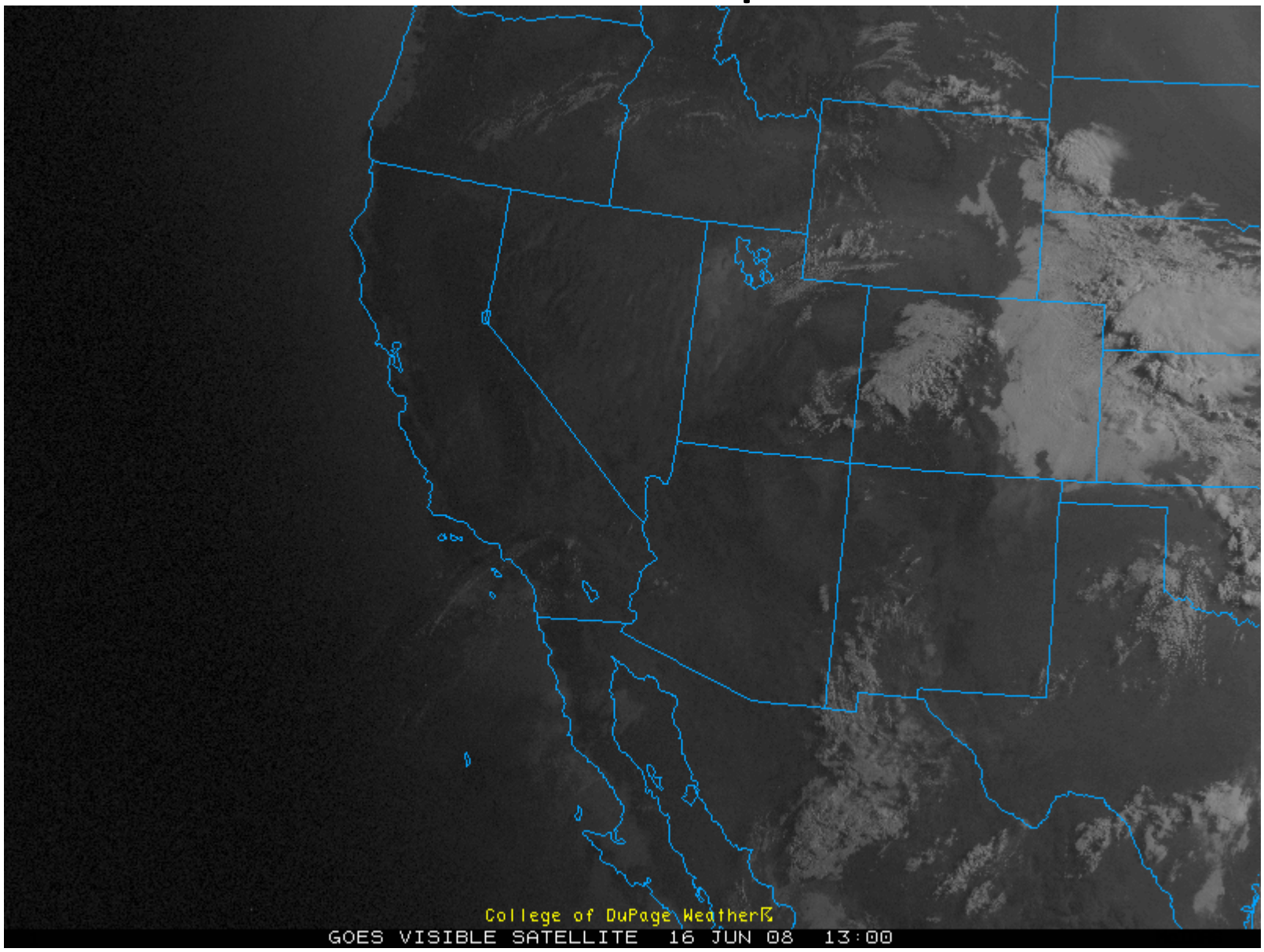
"Your eyes to the skies"

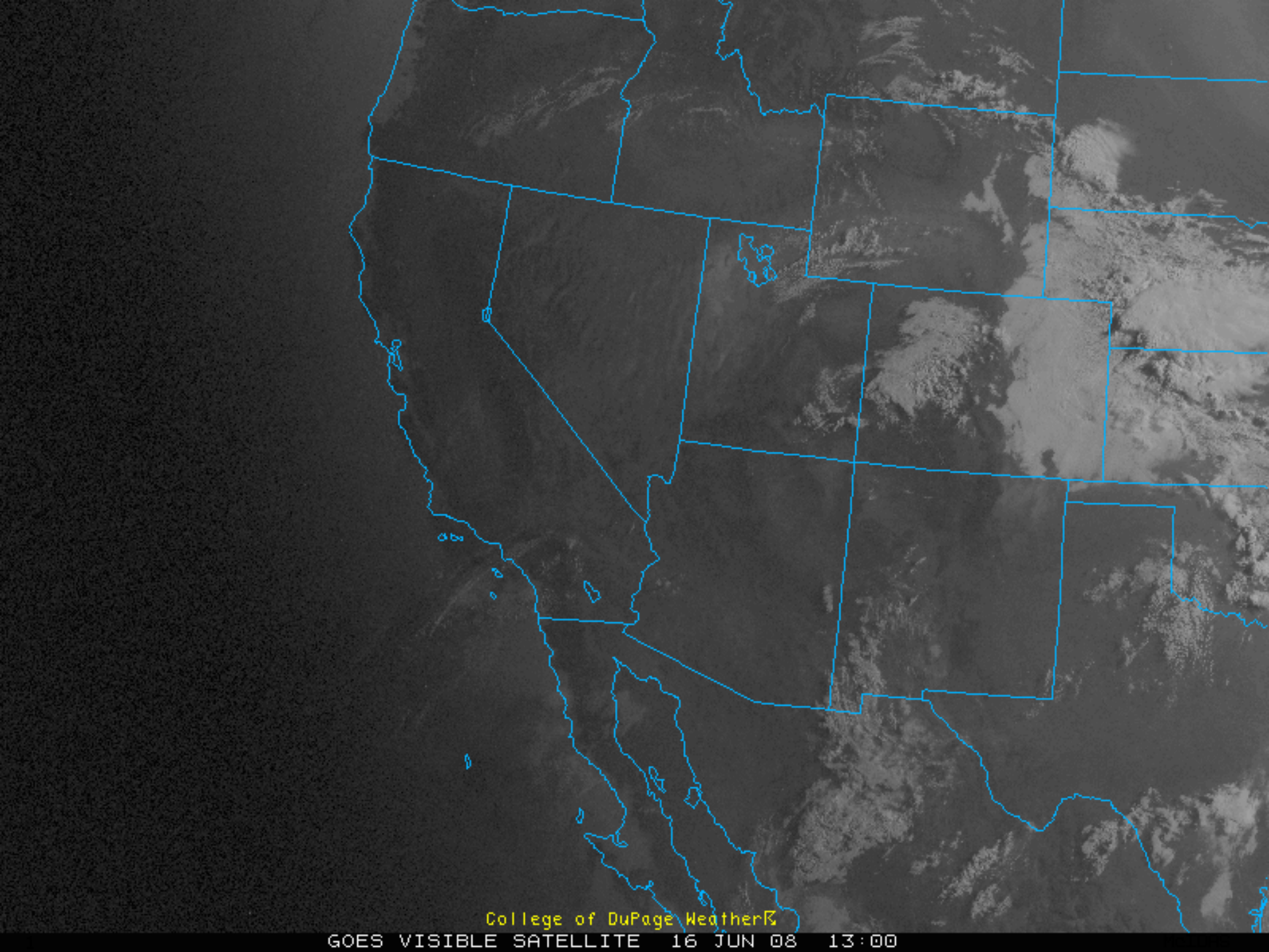
NASA

FSU Meteorology

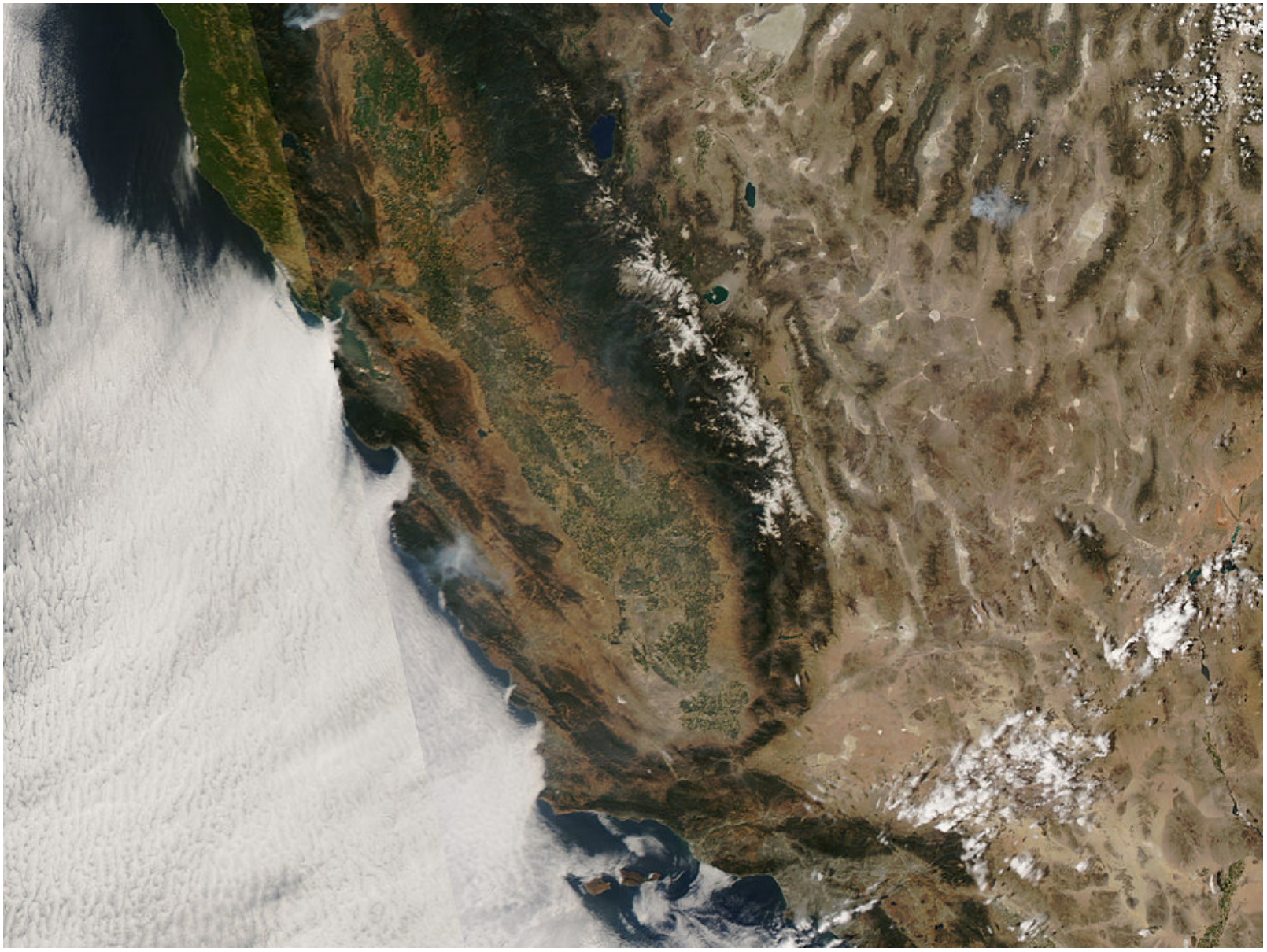
California Environmental Protection Agency
AIR RESOURCES BOARD

Visible Loop

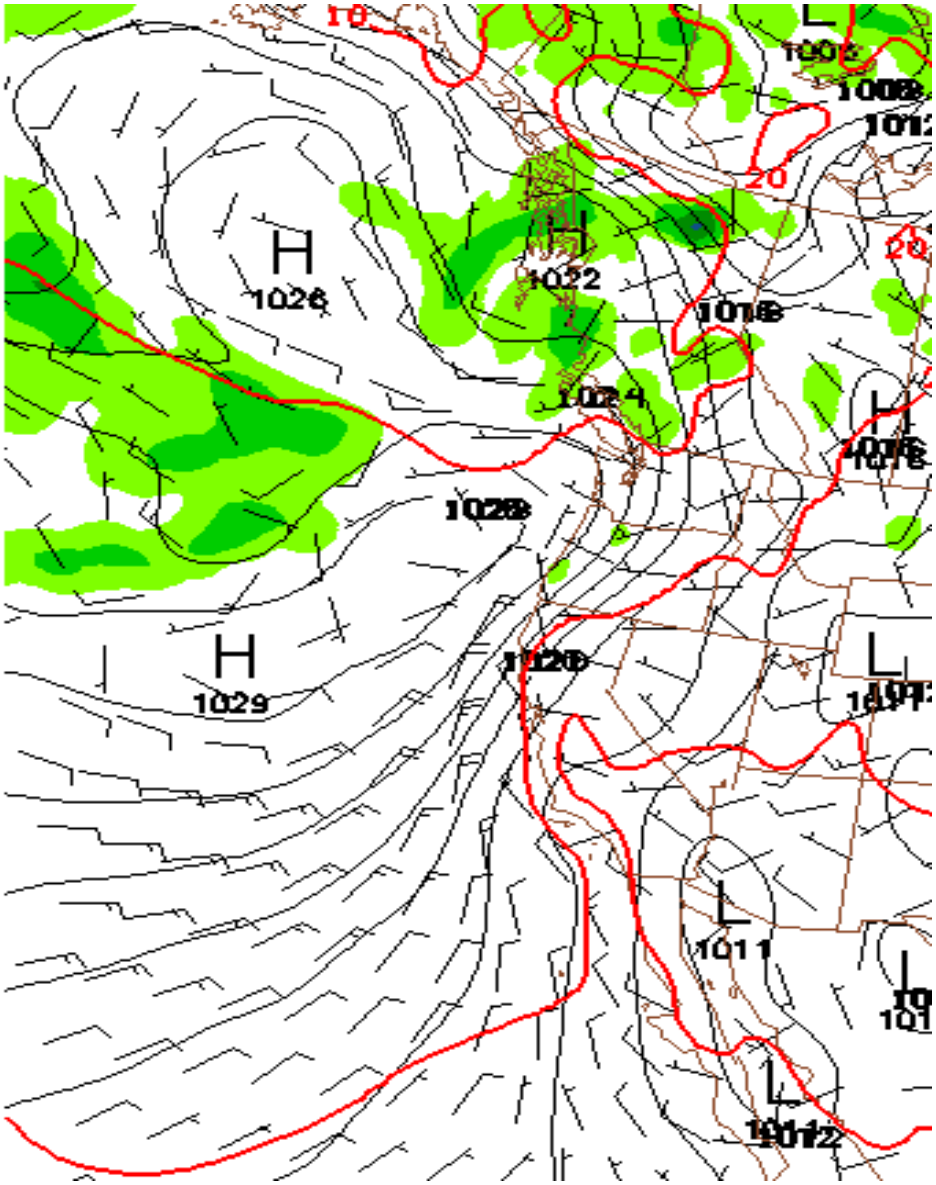



College of DuPage Weather
GOES VISIBLE SATELLITE 16 JUN 08 13:00

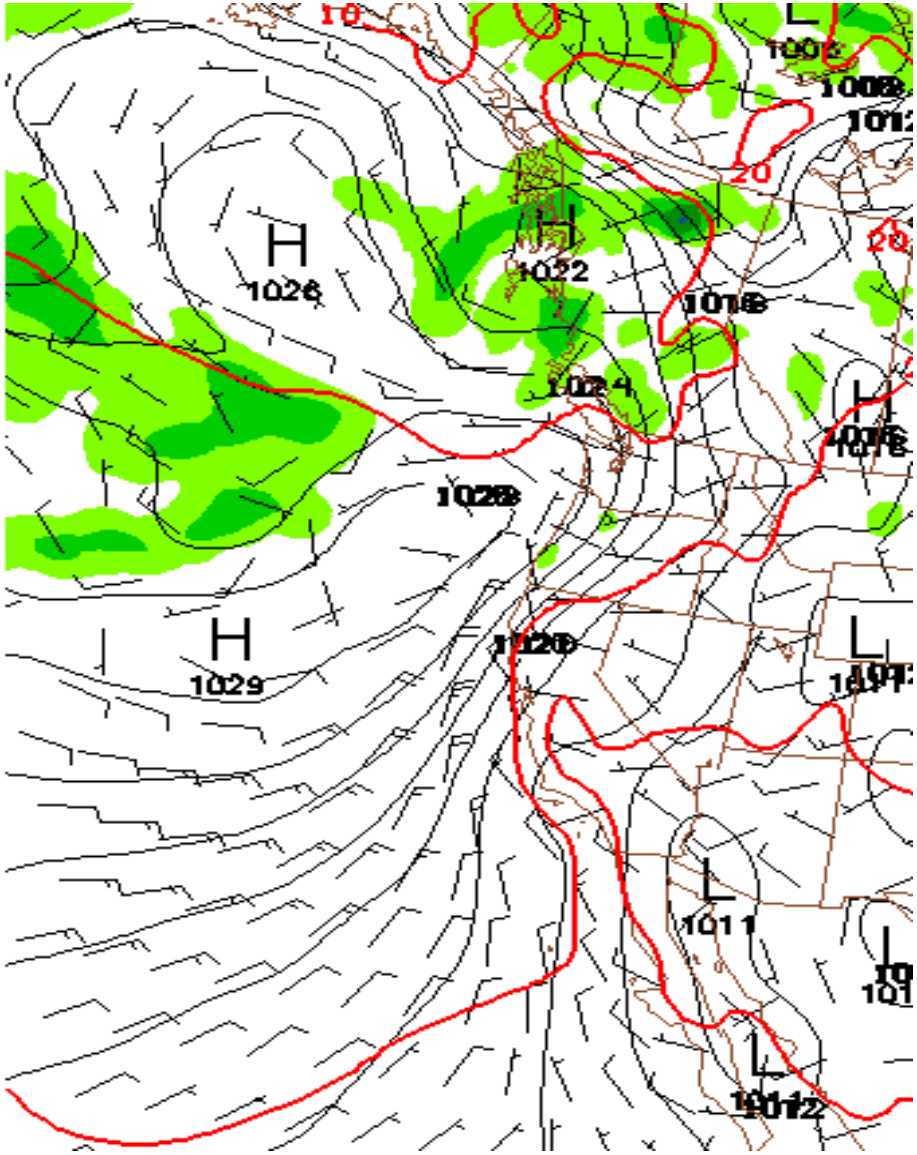
Visible Imagery



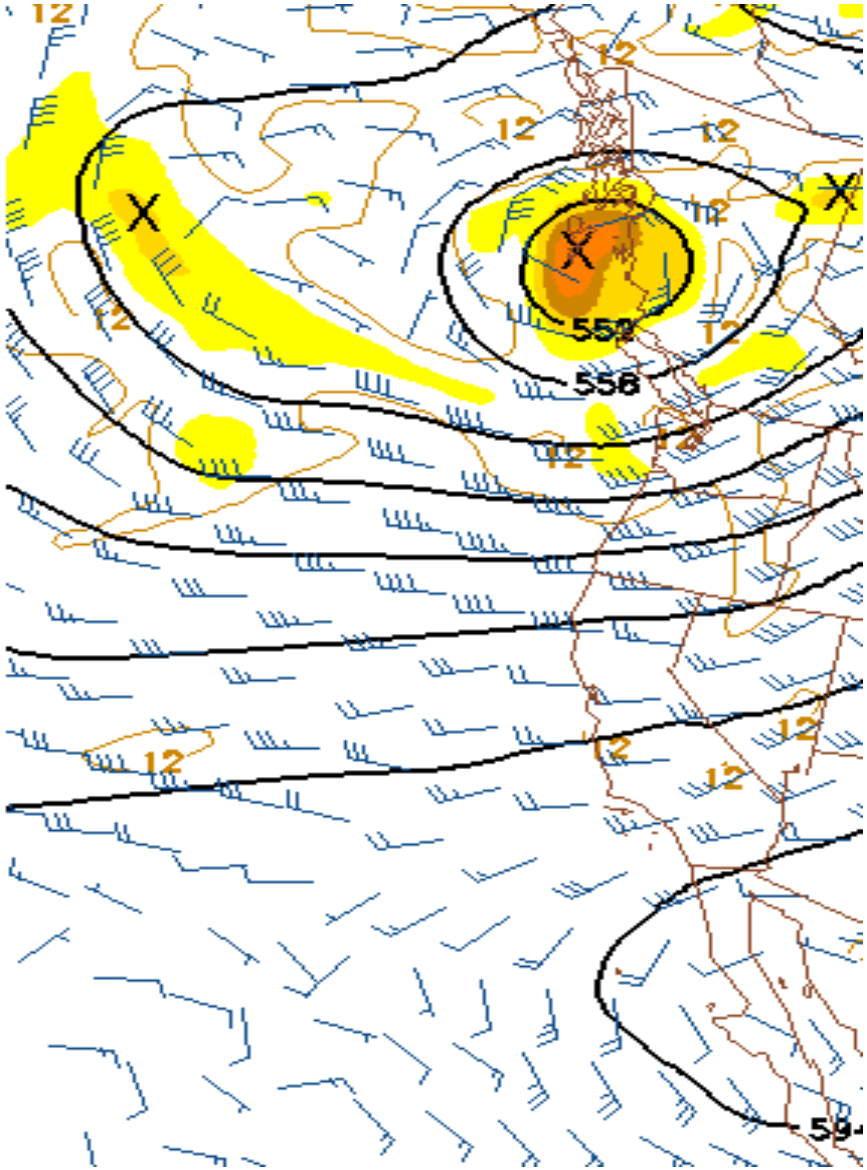
Surface Forecast 11am 6/18/08



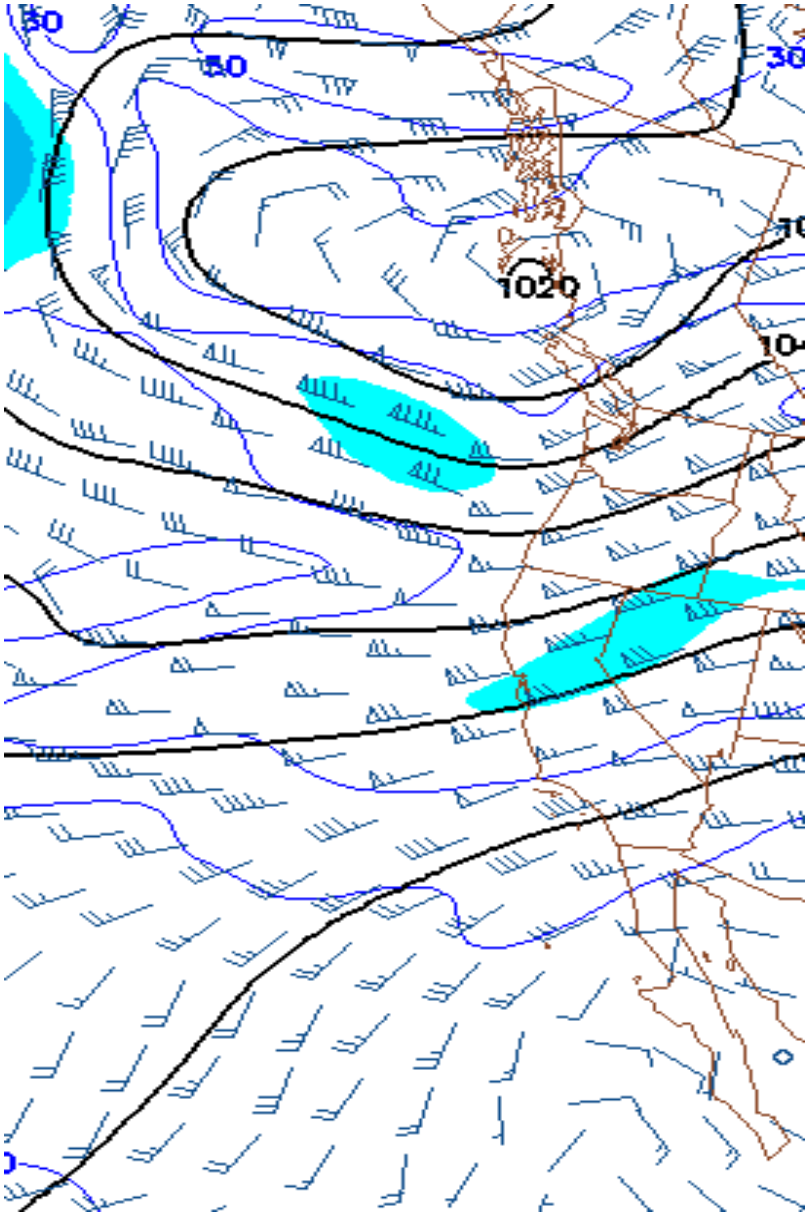
700mb Forecast 11am 6/18/08



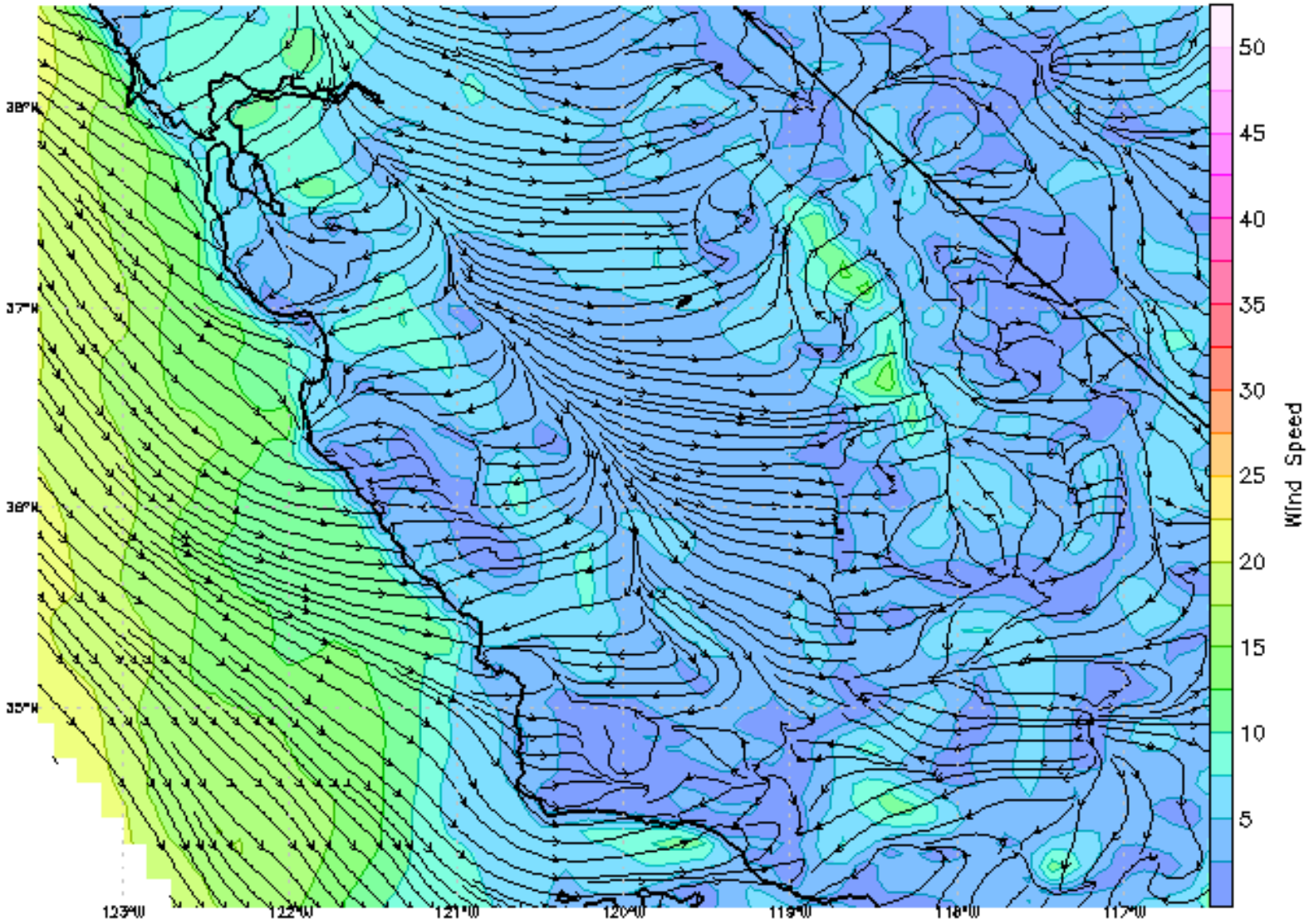
500mb Forecast 11am 6/18/08



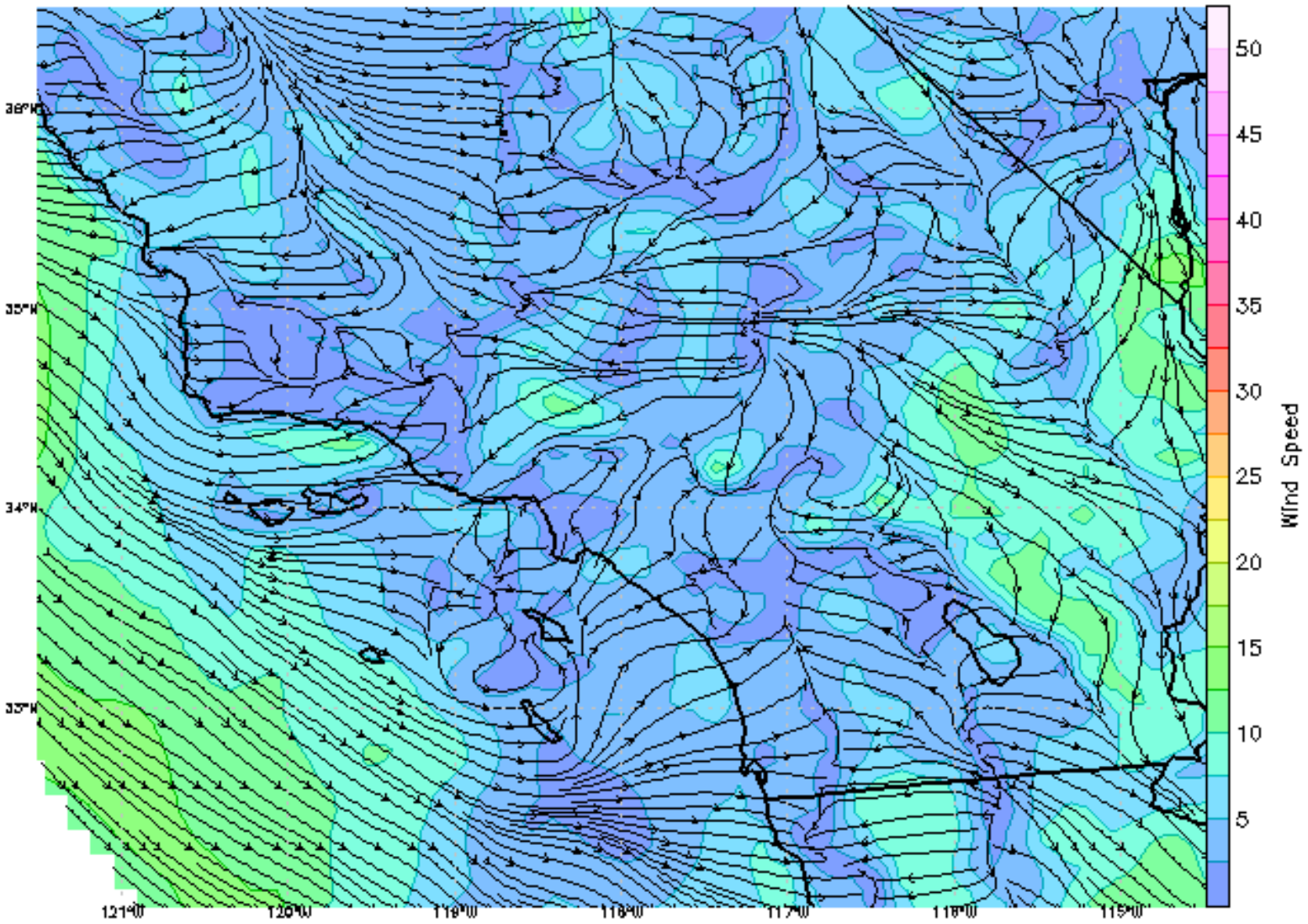
250mb Forecast 11am 6/18/08



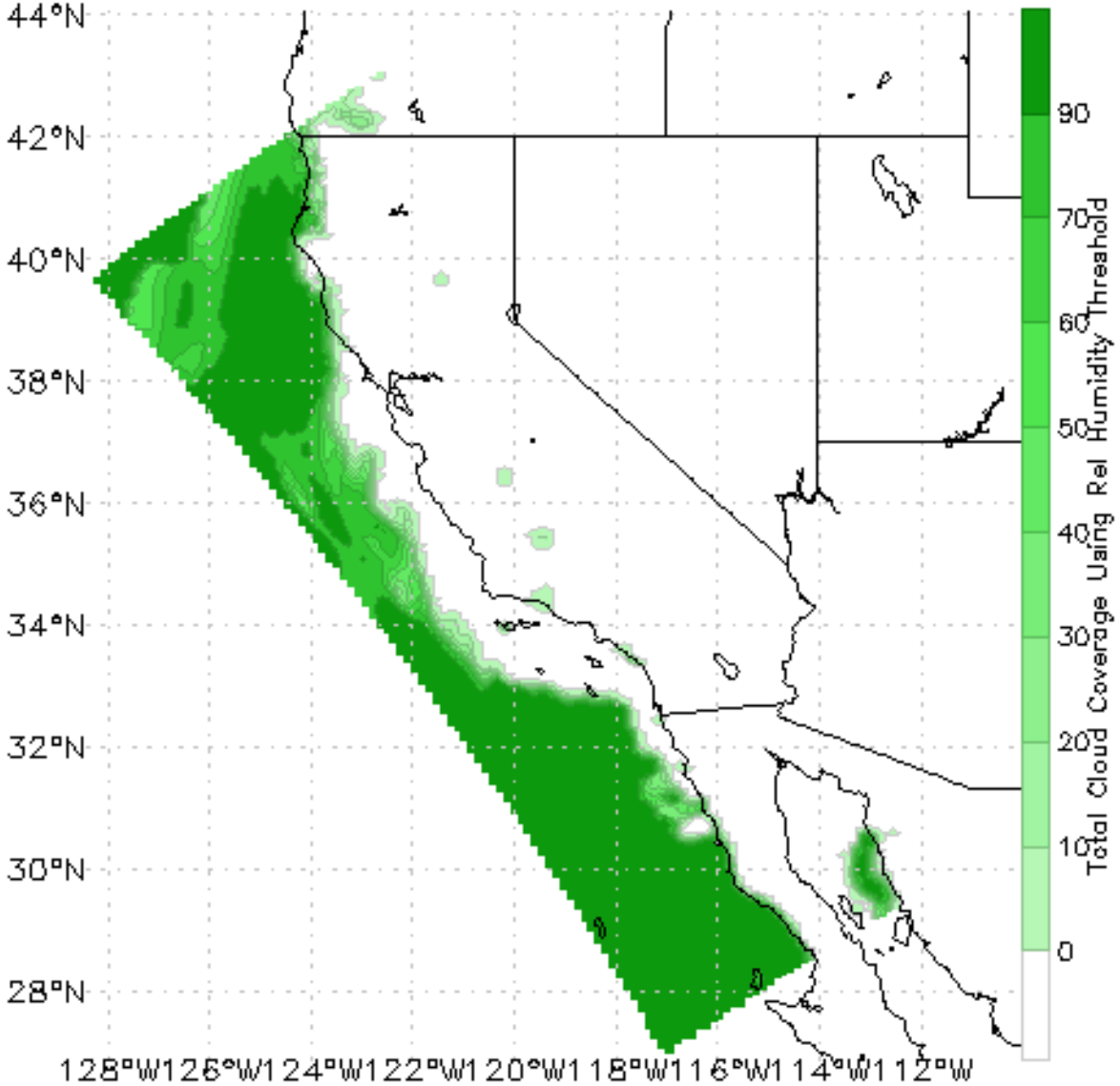
10m Wind Central California



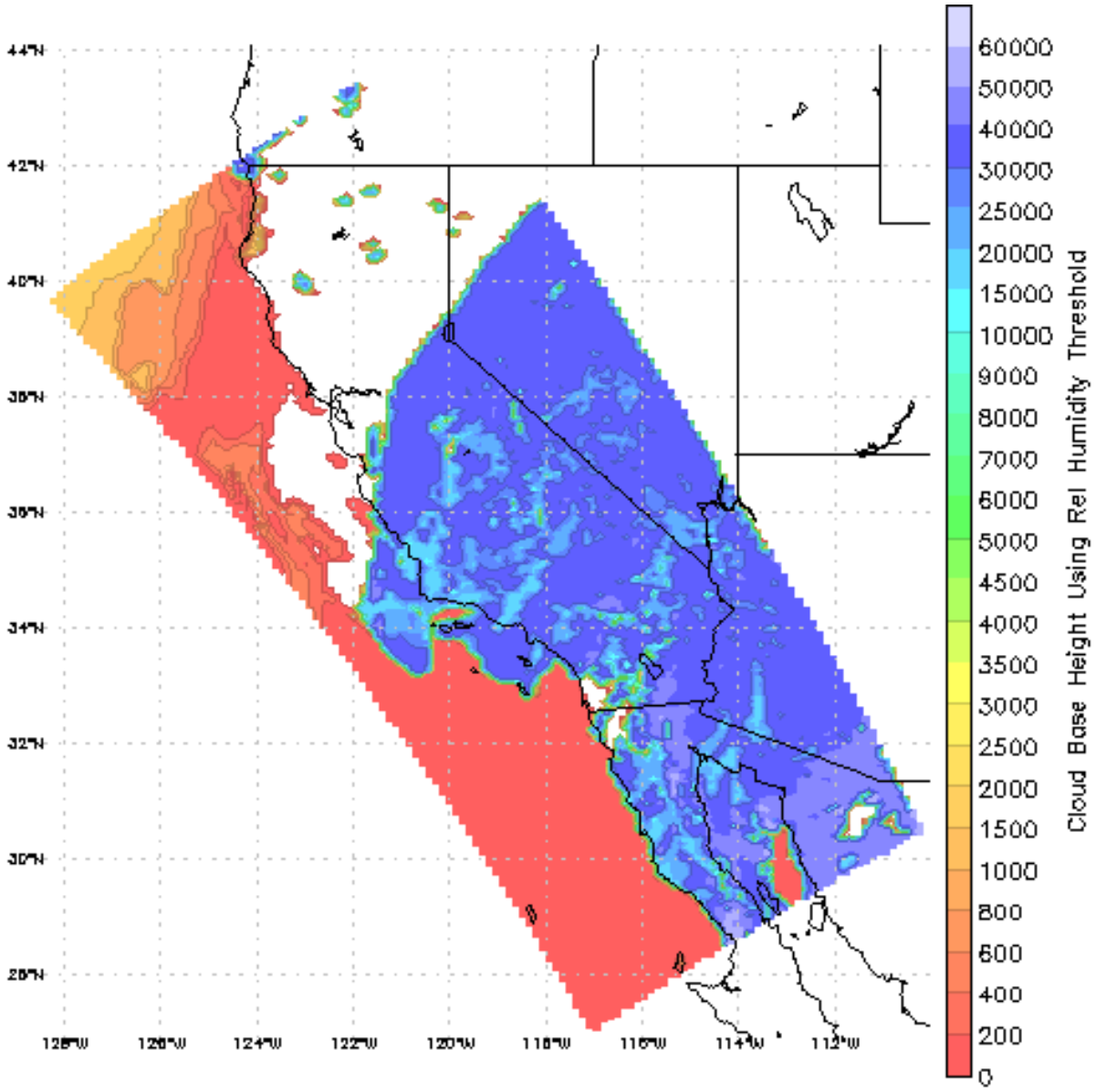
10m Winds Southern California



Low Cloud Amount %



Cloud Base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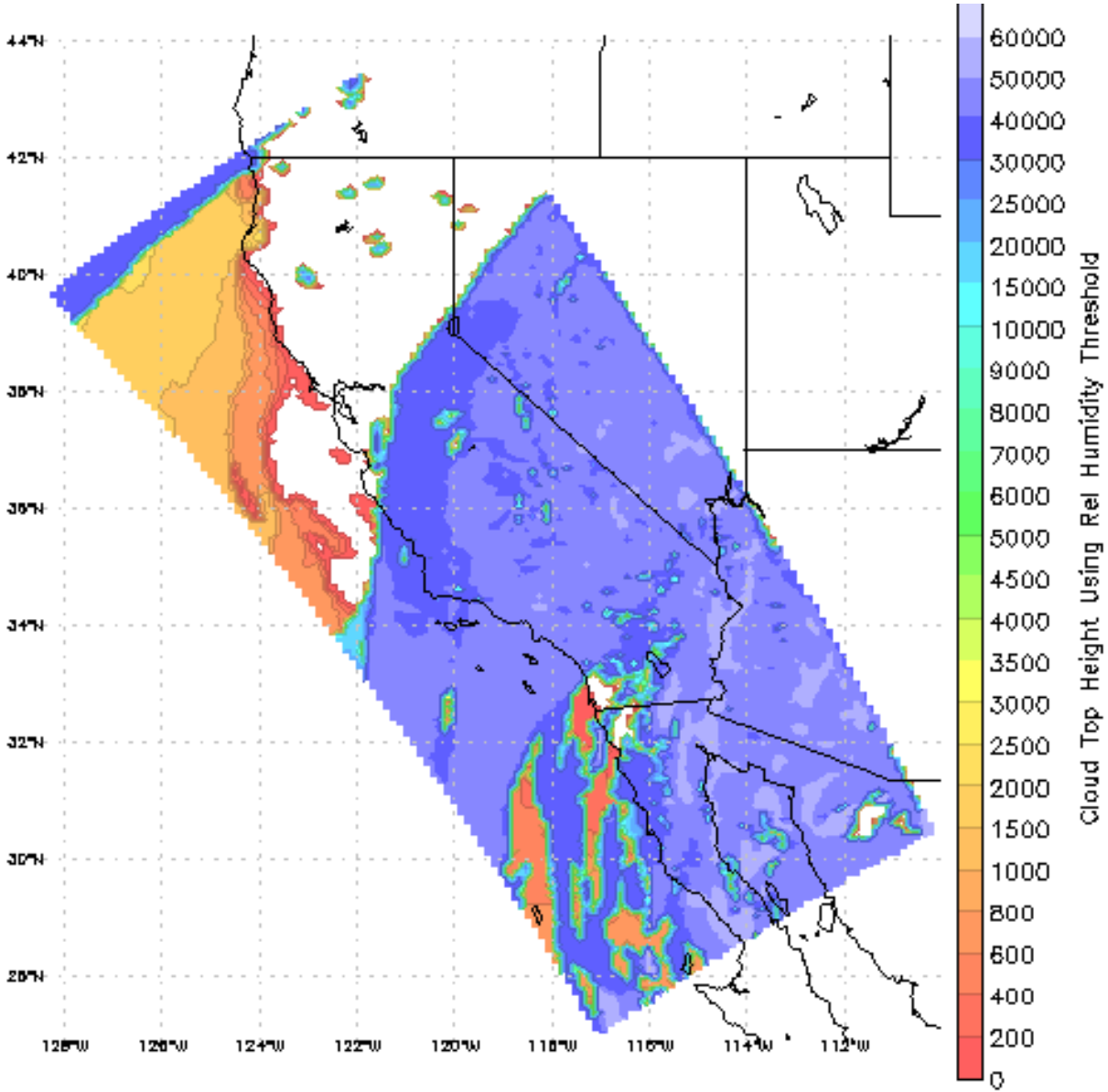
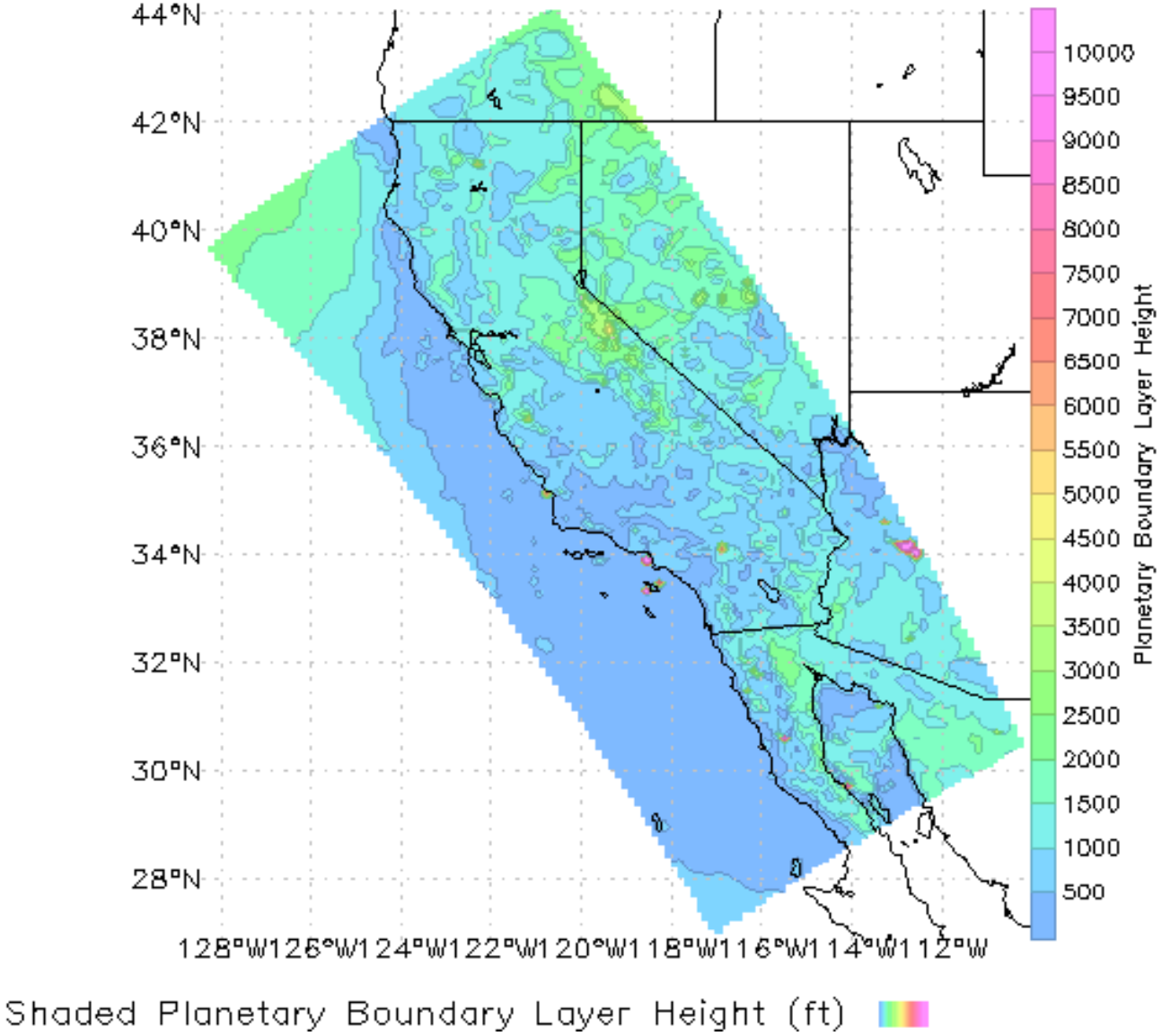
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W
126°W
124°W
122°W
120°W
118°W
116°W
114°W
112°W
60000
50000
40000
30000
25000
20000
15000
10000
9000
8000
7000
6000
5000
4500
4000
3500
3000
2500
2000
1500
1000
800
600
400
200
0
Cloud Base Height Using Rel Humidity Threshold

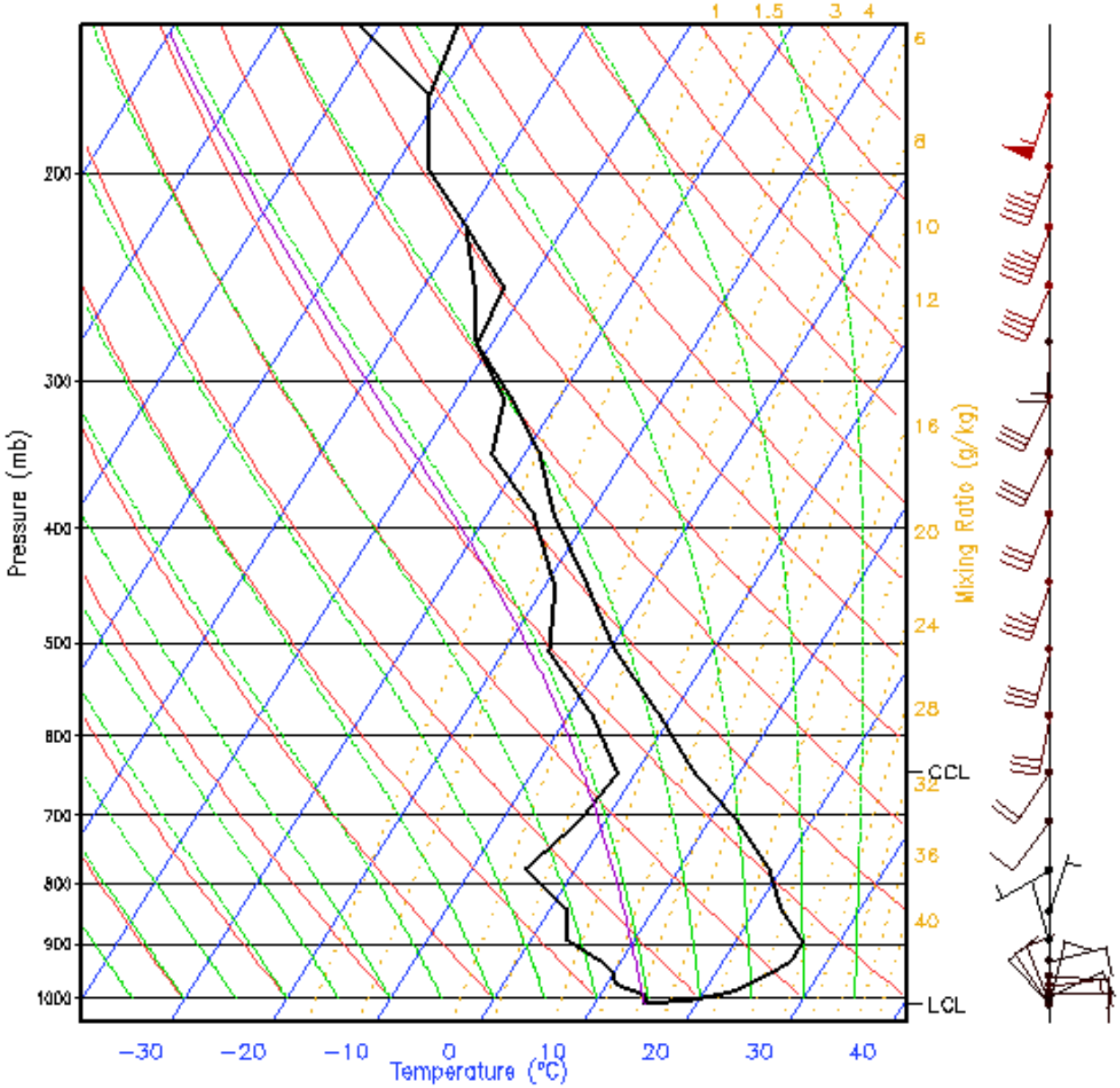
Cloud Top


44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W
126°W
124°W
122°W
120°W
118°W
116°W
114°W
112°W
60000
50000
40000
30000
25000
20000
15000
10000
9000
8000
7000
6000
5000
4500
4000
3500
3000
2500
2000
1500
1000
800
600
400
200
0
Cloud Top Height Using Rel Humidity Threshold

PBL Height


44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W126°W124°W122°W120°W118°W116°W114°W112°W
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
Planetary Boundary Layer Height
Shaded Planetary Boundary Layer Height (ft)

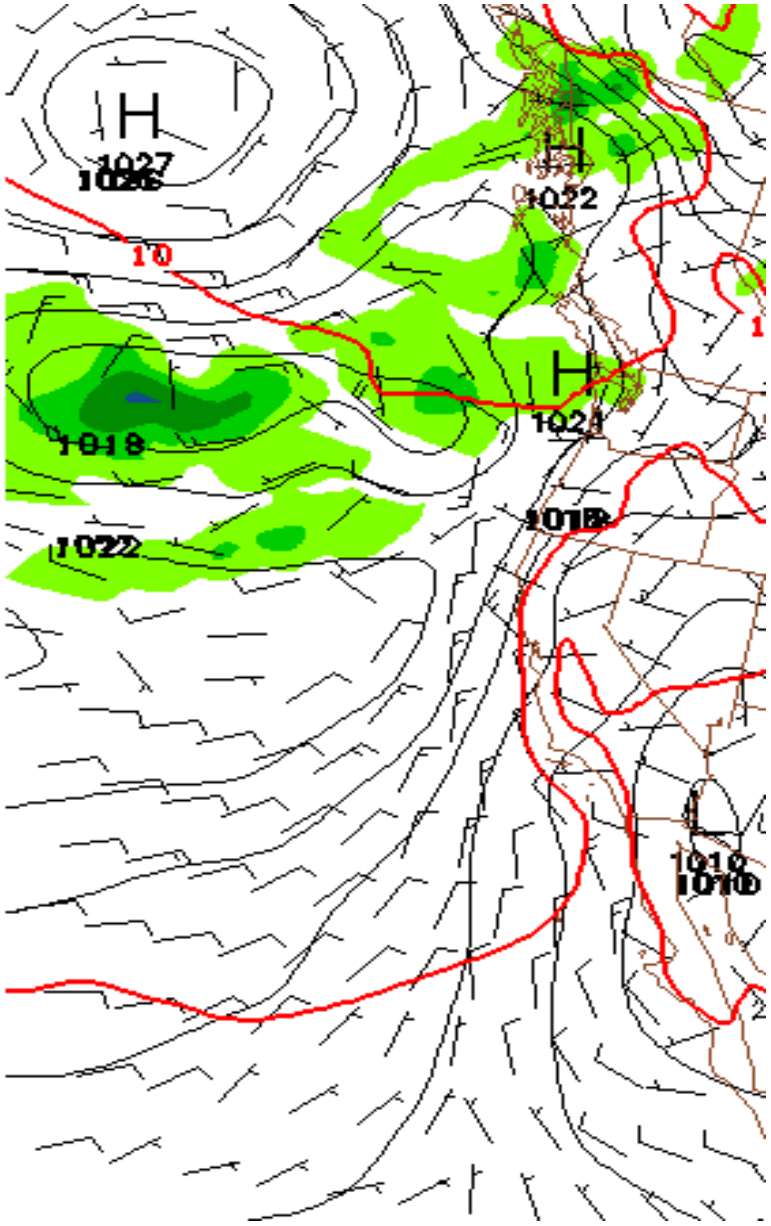
Sounding at Ship



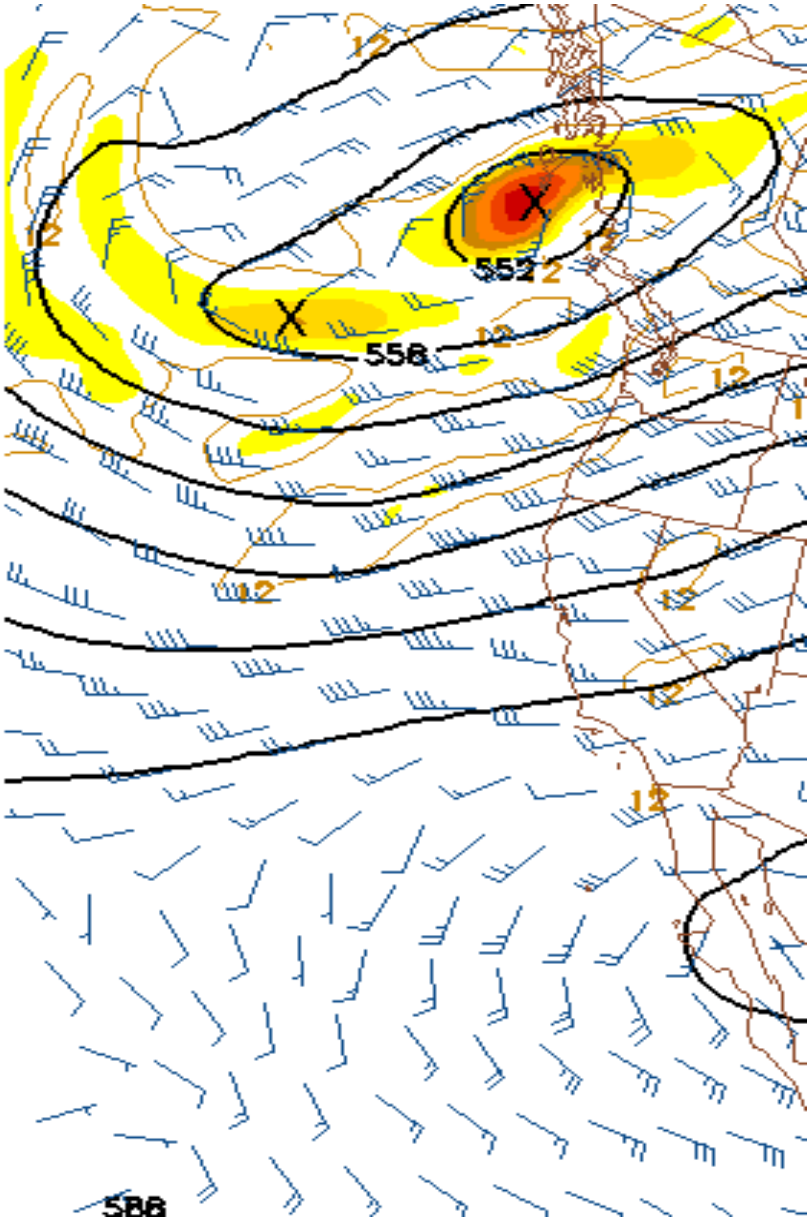
Thursday

June 19th 2008

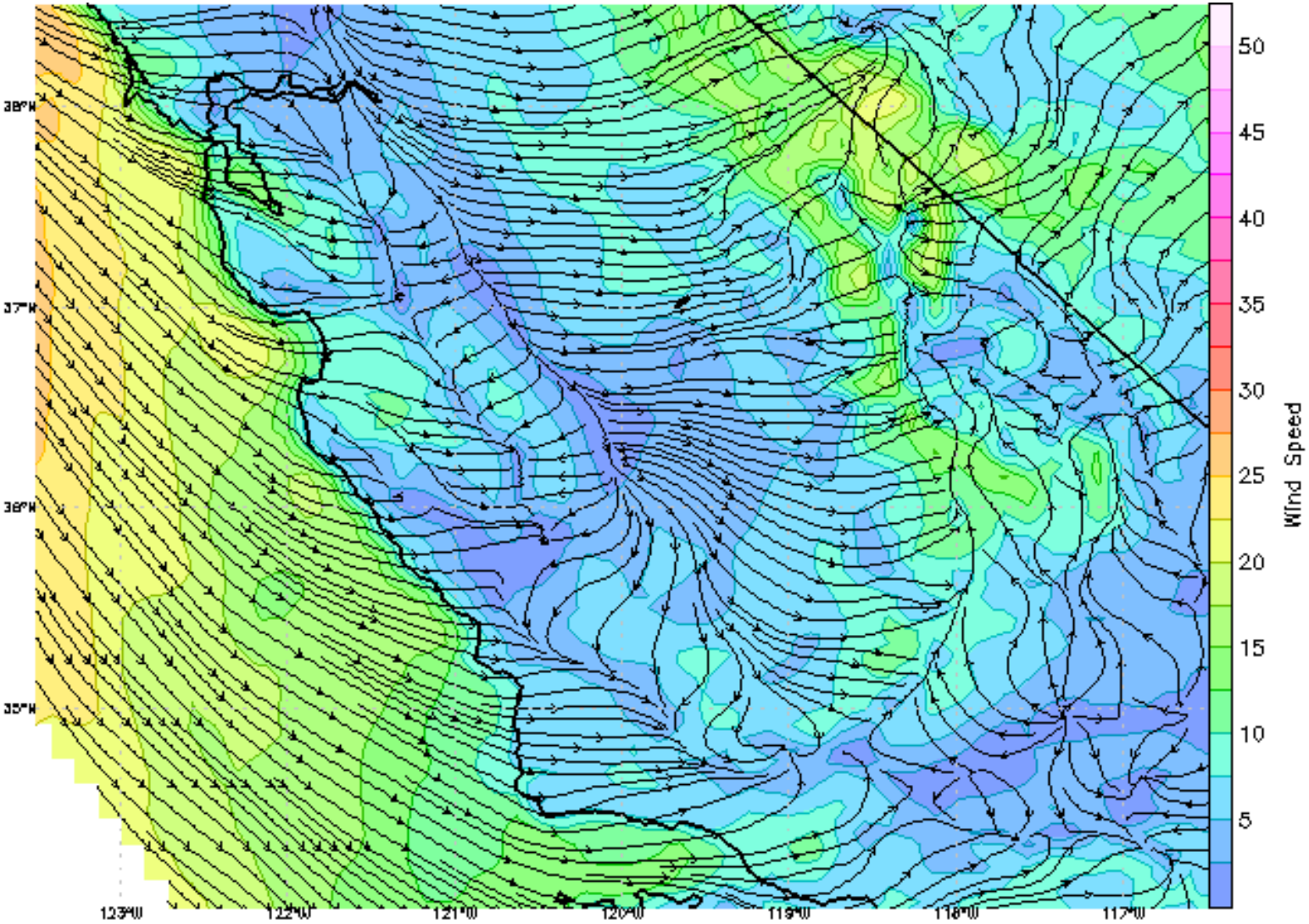
Surface Forecast 11am 6/19/08



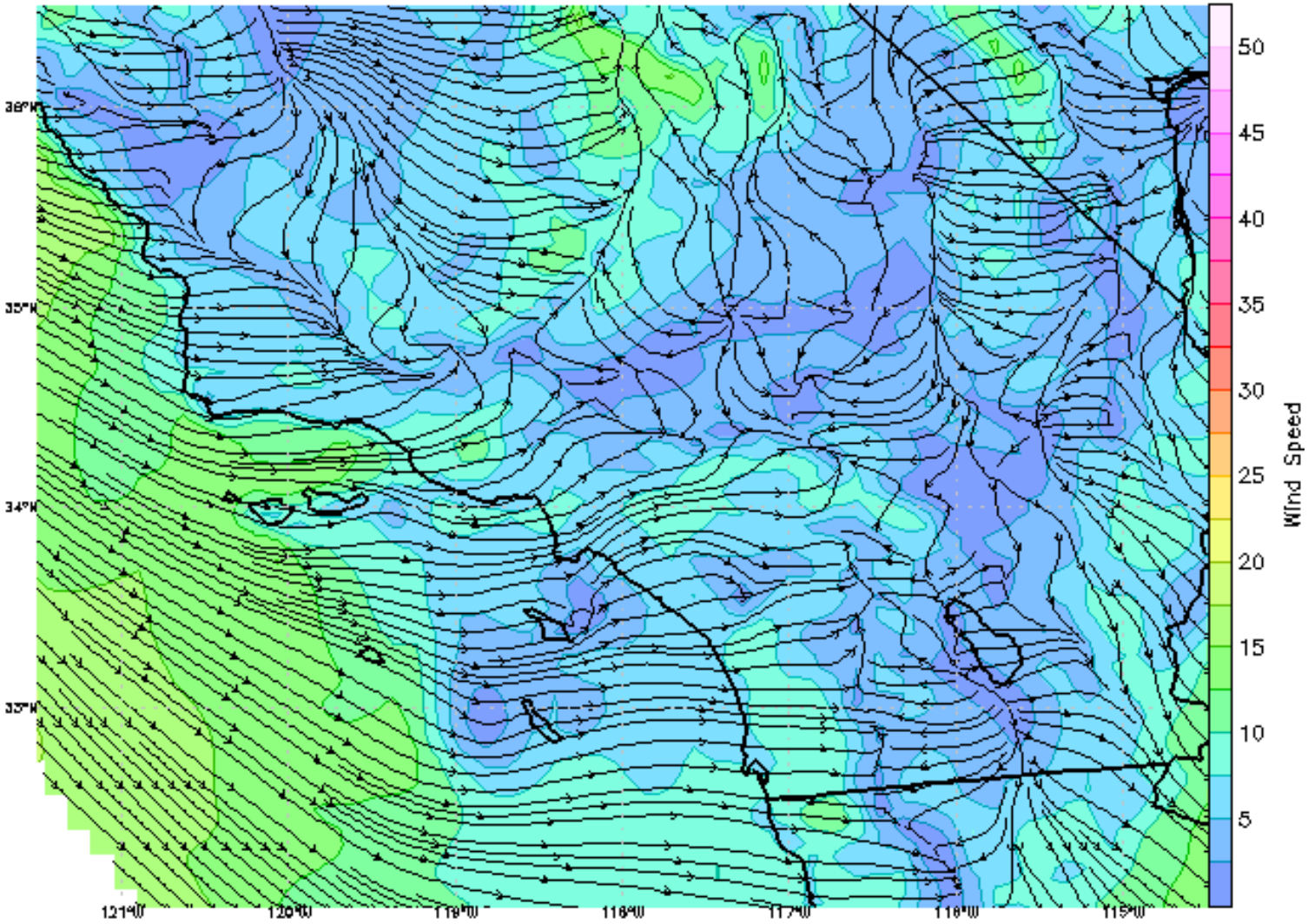
500mb Forecast 11am 6/19/08



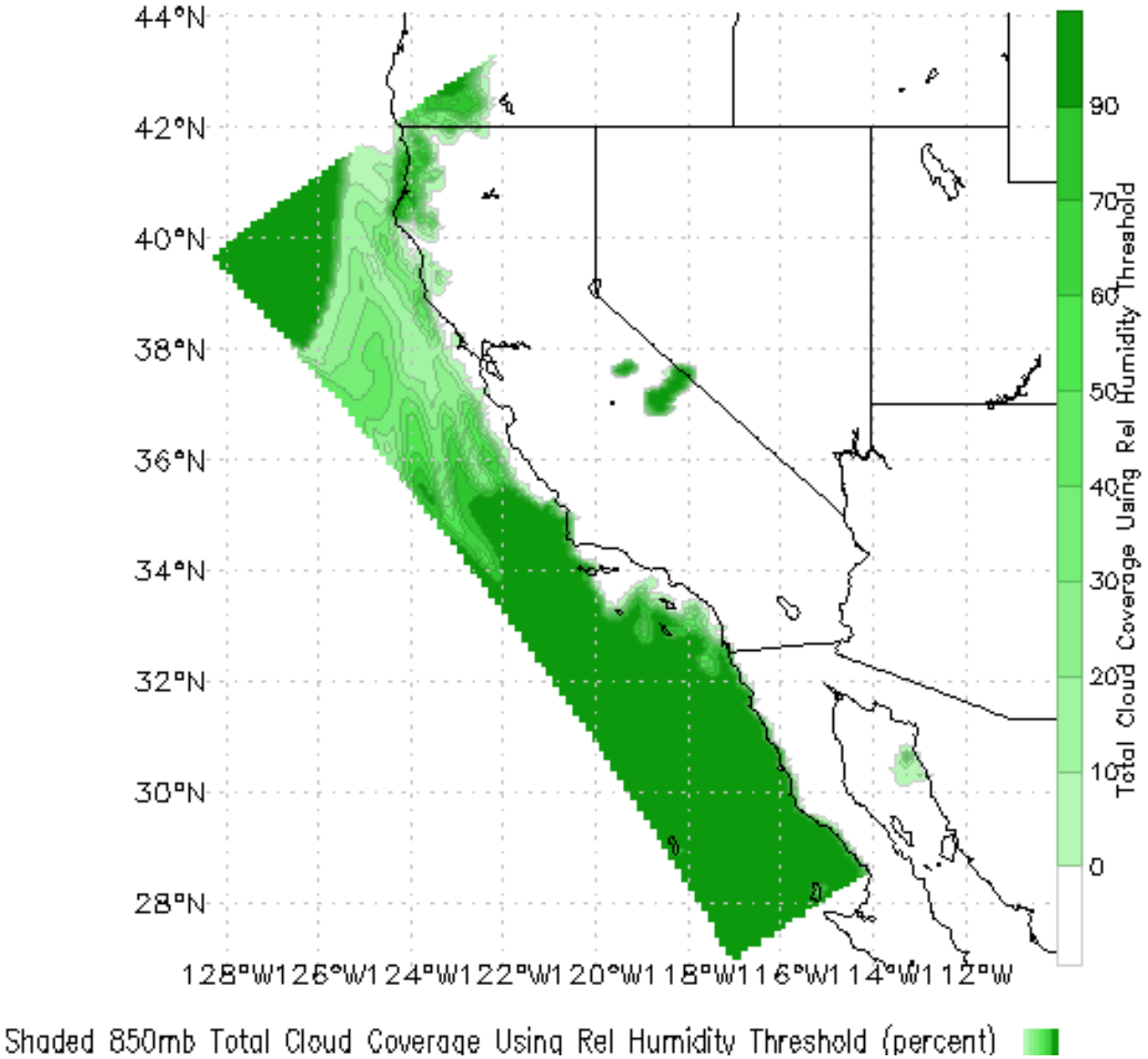
10m Winds Central California



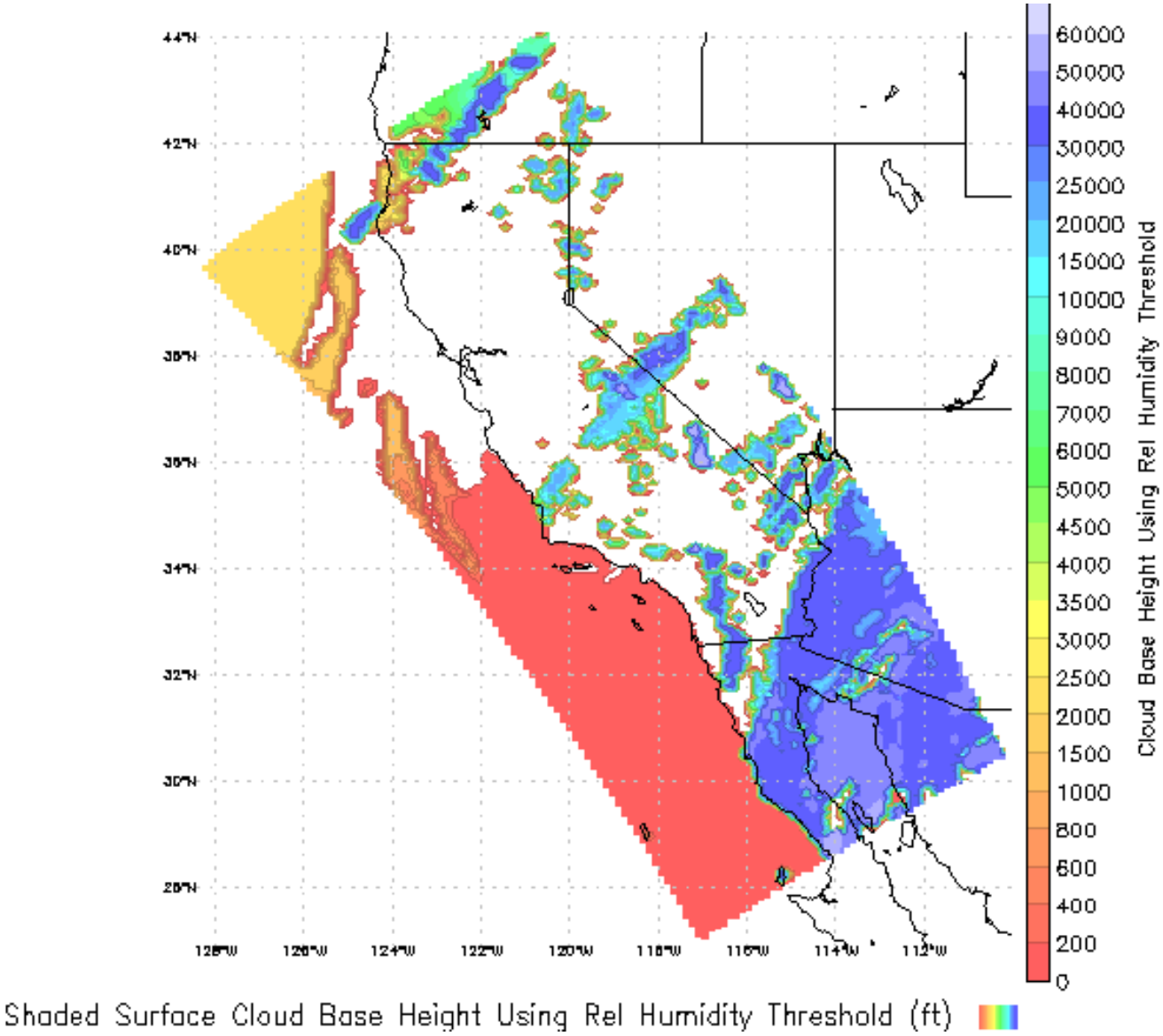
10m Winds Southern California



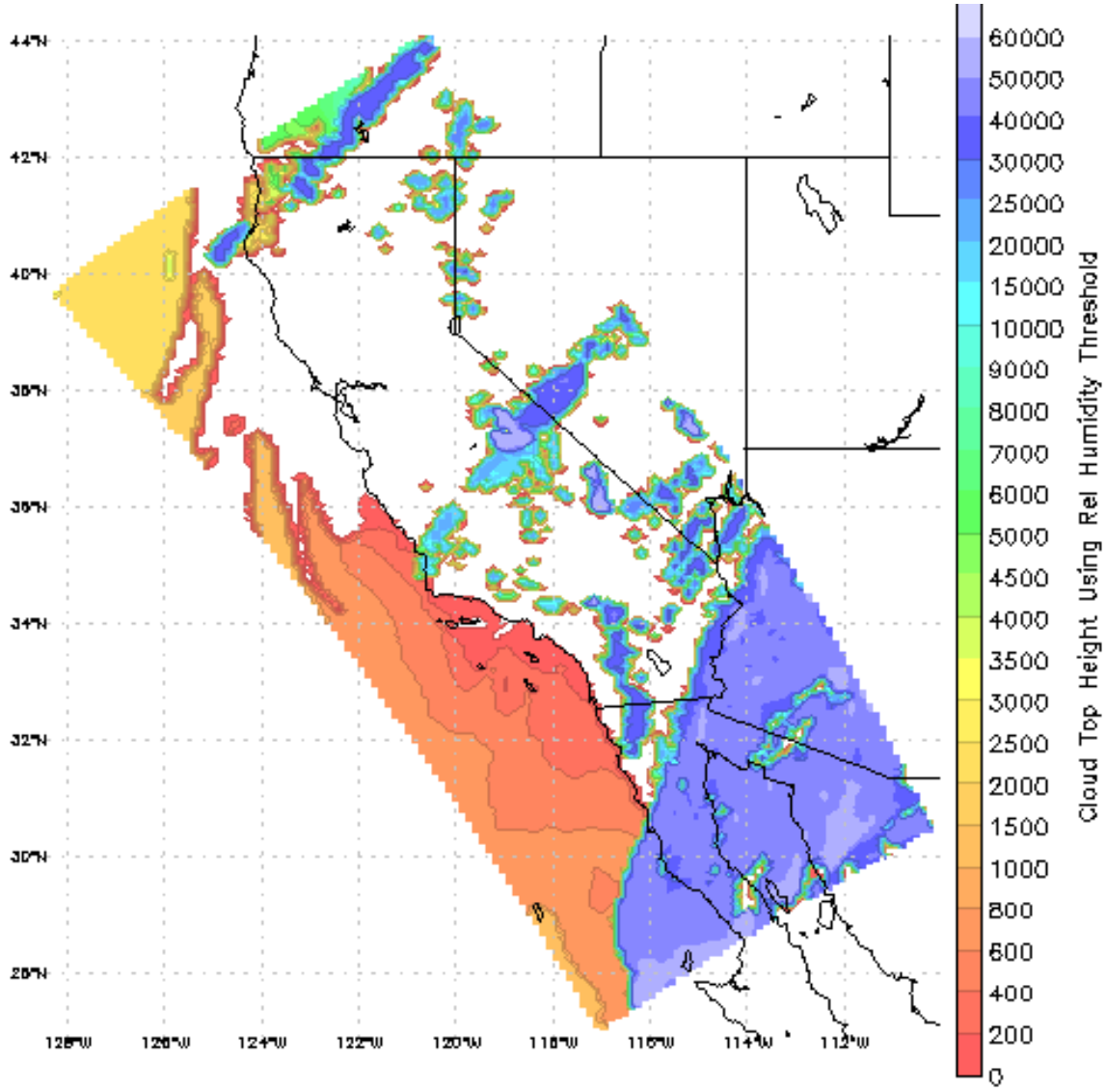
Low Cloud Amount %



Cloud Base

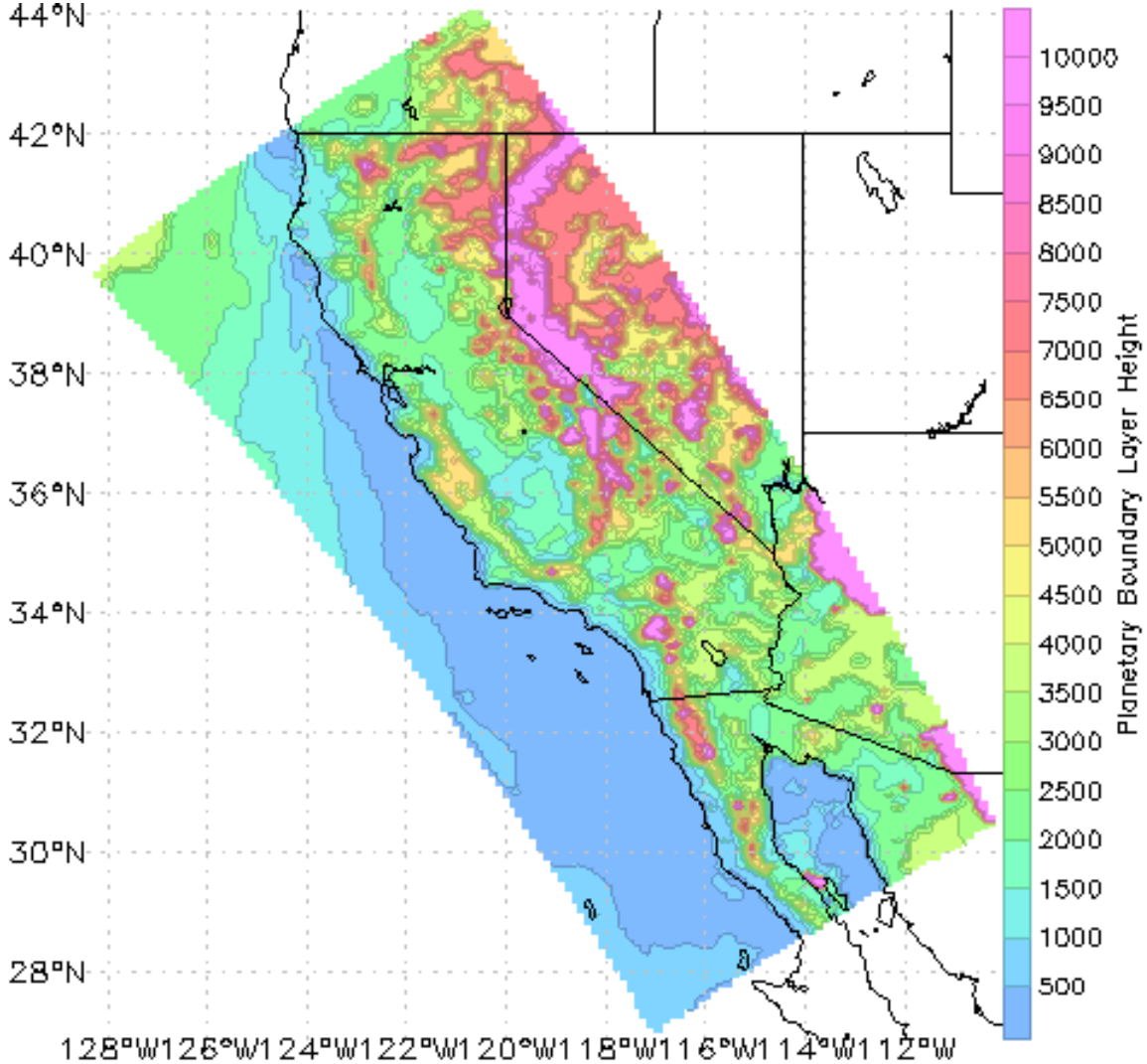

60000
50000
40000
30000
25000
20000
15000
10000
9000
8000
7000
6000
5000
4500
4000
3500
3000
2500
2000
1500
1000
800
600
400
200
0
Cloud Base Height Using Rel Humidity Threshold
Shaded Surface Cloud Base Height Using Rel Humidity Threshold (ft)

Cloud Top



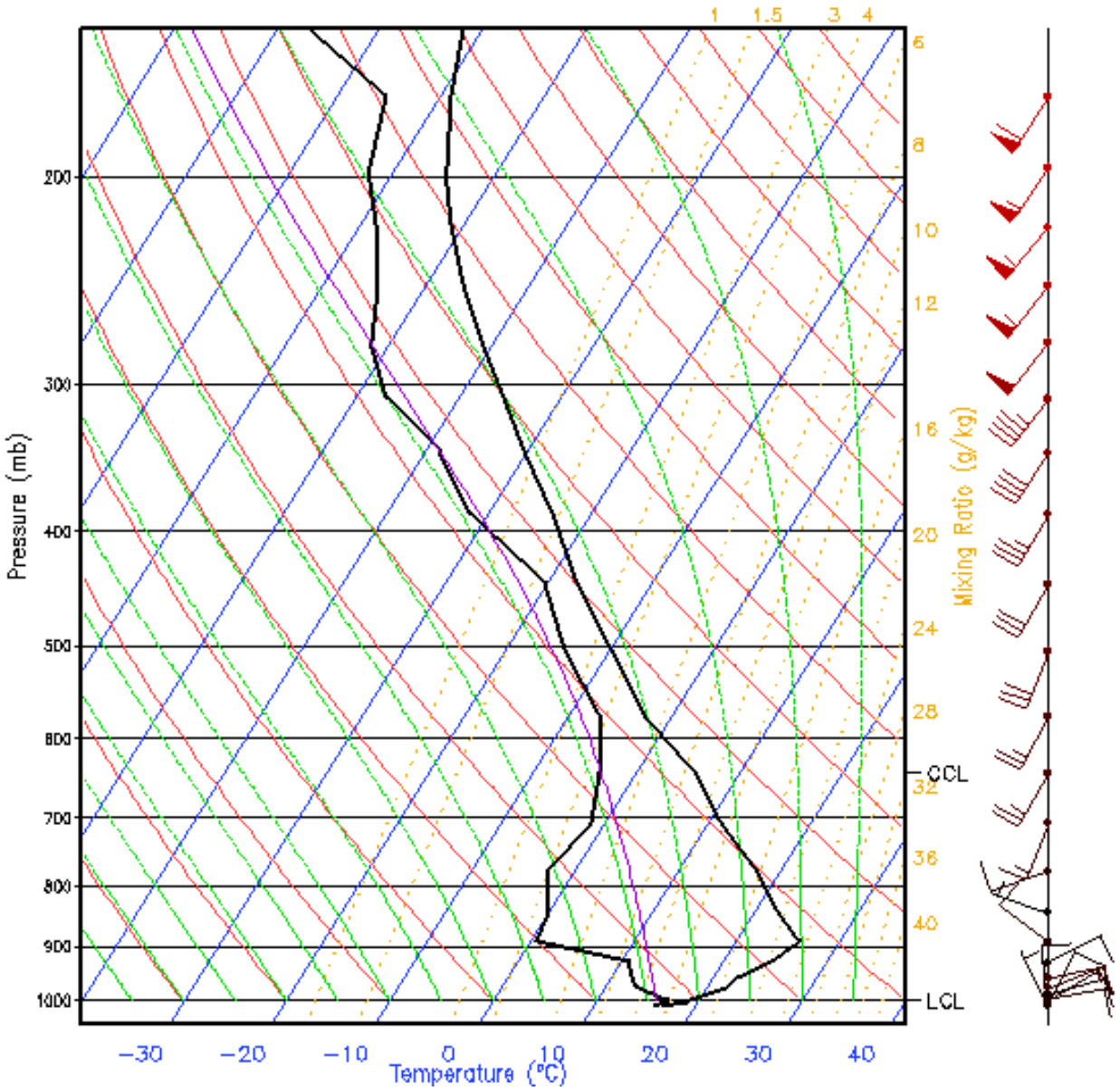
Shaded Surface Cloud Top Height Using Rel Humidity Threshold (ft)

PBL Height



Shaded Planetary Boundary Layer Height (ft)

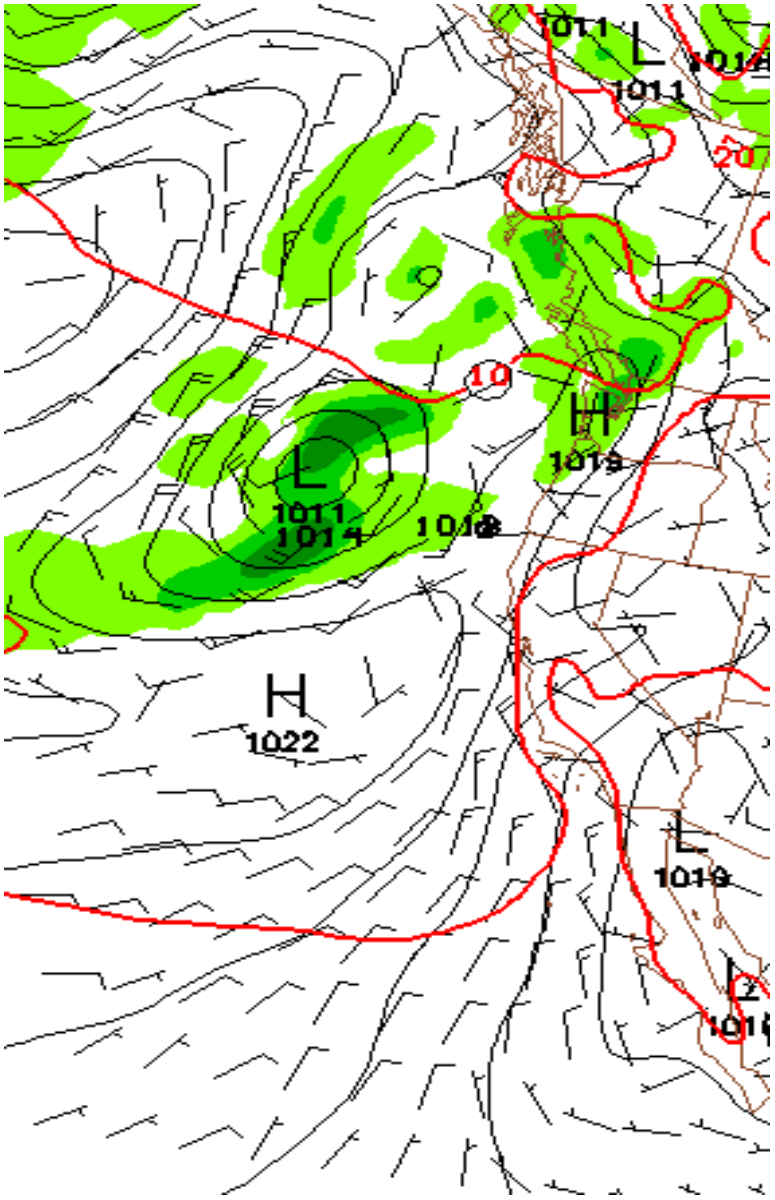
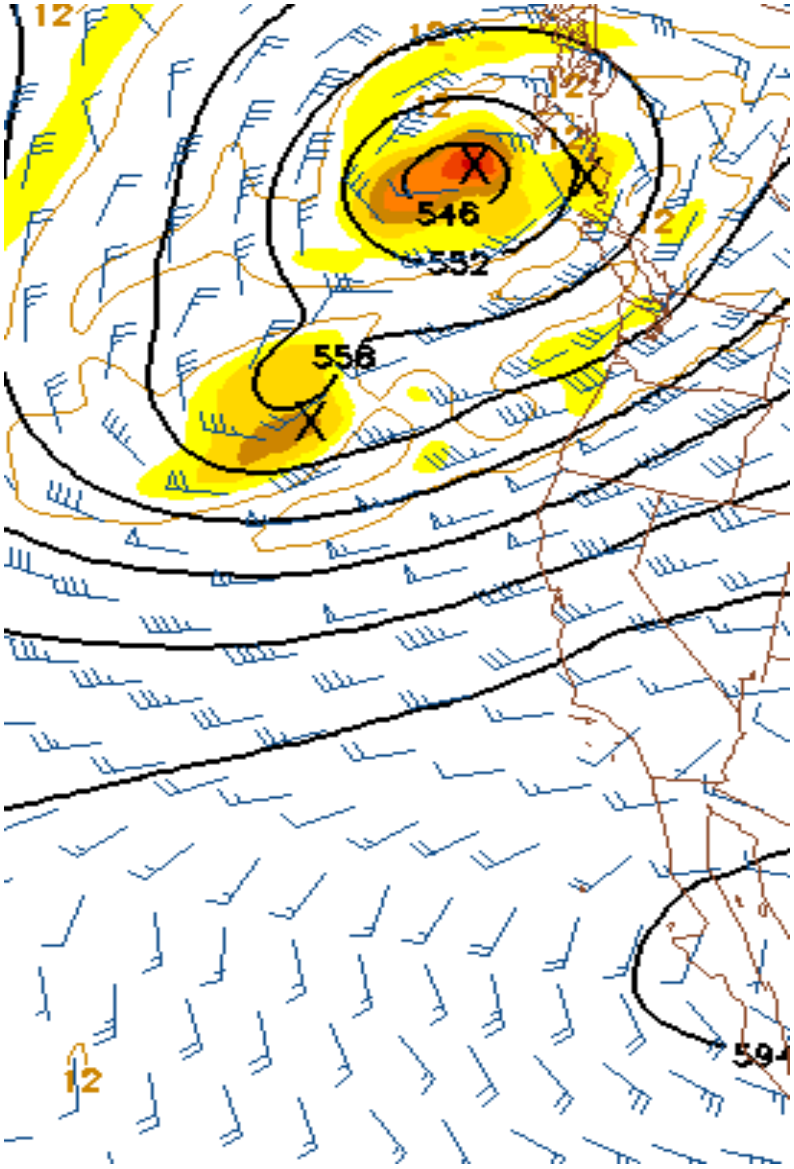
Sounding at Ship



Friday

June 20th 2008

Surface Forecast 11am 6/20/08



500mb Forecast 11am 6/20/08